

THE BIG IRRIGATION CANAL.

Description of the Work Being Done by the Government.

The government canal will head at what is called the sixth crossing, four miles beyond Clark's station. The dam will be of sufficient height to prevent the onward passage of the water. It will be for diverting and not for restraining purposes. It will follow the contour of the hills on the south side of the river to a point about two miles beyond Wadsworth, where it reaches the elevated plateau that is the watershed between the Truckee and Carson rivers.

The ditch will follow the canyon for about ten miles and it presents some difficult engineering features. There will be three tunnels, one of which will be cemented for the entire length.

The canal is to be fourteen feet wide the bottom and 50 feet at the top. It will carry thirteen feet of water in the center. This stream will flow at various points, according to the nature of the ground at a velocity of from two to three feet per second.

It is calculated that it will take about a year to finish the canal. The water will be carried to a point on the Carson river and the two streams brought together, where a reservoir will be built at a cost of a million and a half dollars.

From the various points along the canal lateral ditches will be run, following the higher ground and putting nearly all the land capable of successful irrigation for a distance of forty miles.

The first canal will be taken out a few miles this side of Wadsworth and will be carried across the canyon by an inverted siphon, which will run northward nearly eighteen miles to the Pyramid reservation, comprising approximately 27,000 acres. The larger portion of this is now sage brush land, but it is very arable when placed under water and is a thermal belt, where even citrus fruits are possible.

These later ditches will cover every portion of ground that is capable of cultivation.

While the work of the main canal will be completed in about a year, and a small portion of the land that can be watered directly from the canal will probably be ready for entry some time about May 1st next. The scheme contemplates reaching far out into Churchill county to lands now far remote from any water supply and it is probable that the government will continue to extend its laterals for the next five years at least.

Many inquiries have been made as to when these lands will be open for entry and Engineer Taylor is authority for the statement that it will probably be sometime next spring before entries can be made.

The reason why the lands are not

ready for entry now is because the lands have not yet been subdivided into the smaller fractions and it would be impossible to tell where the entries would fall. Most of the land has been surveyed into townships but only some in sections. The lines for the smaller subdivisions have not yet been established and a man filing upon a piece of land would stand little show of present of getting filings upon the exact piece of land he desires which would cause an amended filing and considerable annoyance to the prospective settlers and to the land office.

Mr. Taylor has several parties of surveyors in the field laying out lines, in all nearly one hundred men, divided between the various camps. The work will be prosecuted all winter for the season is very mild there.

The government will only allow this land to be taken up in 80-acre tracts and only to bona fide settlers. The water right is inseparable from the land and will cost the settler about \$1.50 per acre per year. In five years the land will thus be paid for, but five years more, paying \$1.50 an acre per year will be required to recompense the government for its outlay, at which time a perpetual free water right will also be secured. This system will prevent lands being taken up for speculation and sold at the end of five years. The land by this time will have become so valuable that there will be no danger of its passing into large holdings, thus being perpetually reserved for home sites.

The system when fully carried out will mean the addition of 20,000 people to Churchill county, all of whom will dwell beneath their own fig and vine, says the Journal.

By the way the fact must not be overlooked, that State Hydrographer L. H. Taylor is due the thanks of the people of the State of Nevada for the manner in which he has been conducting this mammoth undertaking. He is ahead of his conferees in other States at least a year. Nevada was the only State in the arid west that was ready to take up the irrigation work when Congress made it possible. Mr. Taylor has already measured the water flow in every considerable stream in the State and was ready with all the other data desired by the government. Since the enterprise was begun he has labored constantly with a large field and office corps and now has every possible fact and figure for presentation to the government and the people whenever desired. Mr. Taylor is certainly a wonder and is doing yeoman service for the State.

SUNDAY'S BAND CONCERT.

A Musical Treat Not Soon to be Forgotten.

Themuch-talked of band concert came off on schedule time last Sunday in the Capitol park. The day was an ideal one and long before the first number was rendered the park was thronged with people of this city and from neighboring towns. In addition to the Wheelmen band, Reno sent over a delegation numbering two hundred persons.

The visiting band was met at the depot by the Nevada State Band—Carson City's famous musical organization—and escorted to band headquarters, after which both organizations attended divine service at the Episcopal church. "The Holy City" was rendered as an offertory in an excellent manner.

After lunch at the Arlington house the concert began. By this time the beautiful Capitol Park was a mass of humanity and the surrounding streets fairly thronged with vehicles of all kinds and descriptions, from the elegant chaise of the cattle king and mining magnate to the swill cart of old Bill Miller.

Carson City's fairest were out in all their glory and presented a picture that for beauty and grace could not be excelled in any city of like size on the continent.

After the rendition of the first piece it was clearly apparent that the two bands as one were "at home," and each succeeding number showed to the people more plainly that they were listening to music, the like of which had never been heard before in this city, or probably the coast, from amateur organizations.

Director Smith of "our band" and Conductor Hastings, of the Reno band, alternated as leaders in an admirable manner. Each piece received a hearty encore from the gathering.

Immediately following the concert, a banquet was tendered the visitors and it is safe to say that never in Carson's history has one more sumptuous been served to guests. The south hall of Odd Fellows building was beautifully and tastefully decorated for the occasion, the colors red and white predominating, in honor of the boys from the riverside town. The light, furnished by lamps with red shades, blended beautifully with the interior decorations and the rays of the retreating sun, furnished a scene of bewitching grandeur.

Director Hastings, Sam'l. Platt and N. W. Roff furnished the gas (not illuminating), for the occasion and the few thousand feet they expressively delivered, was well received.

Then both bands marched to the train, playing as they marched. At the depot the people were again honored by some fine music.

When parting time came, good feeling was supreme and our guests departed after having spent a lovely day in the Capital city.

Our people highly appreciate both bands for the afternoon of music and recreation they afforded and hope to hear them soon again.

It is quite likely that the band from this city will, in the near future, invade the riverside town, when the good people of that city will have an opportunity of listening to the same

sweet music that was rendered by both organizations here Sunday.

The following gentlemen composed the Wheelmen Band:

Walter Hastings, N. W. Roff, Syd Foster, Bert Ward, Wm. Wagoner, Frank Julian, Ralph Julian, Neal Leonard, Elmer Ayers, Arthur Beebe, Preston Chamberlain, Jack Butler, Ed. Lee per, Frank Smith and Ray Tait.

Incidentally they are splendid musicians.

A CAPITAL OPERATION.

Celebrated Mare Operated Upon for Cancer.

One of the most interesting and difficult operations in the history of modern veterinary surgery was performed yesterday afternoon at the State Prison by Dr. Price, assisted by Dr. Dempsey, of Dayton and Dr. von Radesky, in the presence of a large number of physicians and citizens.

The great mare Mamie F., formerly the property of D. Circe, but now owned by Warden Considine, was successfully operated upon for cancer of the abdomen. If no setbacks occur, this will be the first successful operation of its kind in the annals of veterinary surgery on the Pacific coast.

For some time past the mare has refused to eat and reached such a condition that either an operation or shooting would have to result. The former course was decided upon and at this writing the animal is doing nicely. Chloroform was administered by Dr. von Radesky and for four hours the beast was under its influence. The operation consumed two hours and eight minutes.

The operation revealed a cancer of large dimensions, there being twelve leaders to it. Parts of the same have been sent to the University of California, the University of Nevada and have been retained by the surgeons.

The matter is the subject of much comment among horsemen and physicians, and adds laurels to the operators.

Gazette Changes Hands.

It was current talk last evening that a change in the ownership of the Gazette had taken place. The reputed buyers are Chas. N. Sain and Charles Norcross. The move has undoubtedly some bearing on the next senatorial contest.—Journal.



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If you put yourself in our hands, you cannot be otherwise than well dressed. Every Suit, Top Coat, Hat or article of Haberdashery that is in our store is from the newest productions of the swellest manufacturers of the country. We want you to see and appreciate the well-tailored and perfect fitting Suits and Fall Top Coats that we have selected, and particularly the magnificent values that we are offering, at

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Custom Suit Parlor. He takes a Fine Measure

Miss Elstner Laid at Rest.

The last sad rites over the remains of Miss Fannie Elstner took place yesterday afternoon from her late residence, Rev. Father Gartland officiating and was largely attended by friends and relatives. The remains were followed to the grave by a long line of people in carriages.

Thus closes the last chapter on a life whose aim had always been the peace and contentment of others. Her's was always a helping hand and a self-sacrificing disposition. Long will her memory live in the hearts and minds of many who have felt her kind and gracious acts. Her suffering is ended; her reward awaits her and peace be to her ashes.

Death of A. R. Gray.

Sunday afternoon A. R. Gray, the veteran prospector, died at the Briggs house in this city. Deceased came to Nevada in the early sixties remaining here continuously ever since. He followed mining for a livelihood and for a number of years past has been prospecting in the Pine Nut hills. He came to this city for winter supplies, was taken sick and died. He was aged about 72 years. The interment will take place this afternoon at 2 p. m., from Downey's undertaking parlors.

A Carson Visitor.

C. W. Anderson, editor and manager of the Loyaltonian, is in this city as the guest of Mayor Mackey. The Loyaltonian is a progressive, up-to-date weekly and ranks among the best of California's interior papers.

Mrs. Taylor, of this city, is visiting Reno.

The Reno Wheelmen were to have a sparring exhibition at their club building, but Sheri Whayes has put